

Listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A system comprising an information center device, a terminal machine connected to said information center device, and a navigation device which is mountable on a moving object, wherein,

said navigation device comprises,

a recording medium being rewritable on which map data is recordable, and

a drive information collecting unit adapted to collect drive information of said moving object,

a sorting unit adapted to sort whether or not the information having been collected by said drive information collecting unit is authorized to be recorded in said recording medium,

a history information recording unit adapted to record the drive information having been sorted to be recorded by said sorting unit as drive history information in said recording medium,

a recording ratio calculating unit adapted to calculate a recording ratio based on the drive information having been collected by said drive information collecting unit and the drive information having been recorded by said history information recording unit, and

a recording ratio recording unit adapted to record said recording ratio into said recording medium, and

said terminal machine comprises,

a unit adapted to read out said drive history information and said recording ratio from said recording medium, and to send said drive history information and said recording ratio to said information center, and display an update charge of said map data received from said information center device, and

map updating unit adapted to record the map data received from said information center device, in a recording medium prepared for said navigation device, and

said information center device comprises,

a storage unit which stores map data,

a sending unit adapted to send said map data to said terminal machine,

a receiving unit adapted to receive said drive history information and said recording ratio from said terminal machine, and

a unit adapted to calculate an update charge of said map data according to said recording ration, and to send the update charge of map data to said terminal machine.

2.-18. (Cancelled)

19. (Previously Presented) A system comprising an information center device, a terminal machine connected to said information center device, and a navigation device which is mountable on a moving object, wherein,

said navigation device comprises,

a recording medium being rewritable on which map data is recordable,

a history information recording unit adapted to record drive history information of said moving object in said recording medium, and

a recording ratio recording unit adapted to calculate a recording ratio of said drive history information at least by using the number of all information items as predetermined recording target and the number of information items excluding the information items which are not subject to recording according to user's directive, and record the recording ratio in said recording medium, and

said terminal machine comprises,

an unit adapted to read out said drive history information and said recording ratio from said recording medium and to send said drive history information and said recording ratio to said information center, and display an update charge of the map data received from said information center device, and

a map updating unit adapted to record the map data received from said information center device, in a recording medium prepared for said navigation device, and

said information center device comprises,

a storage unit which stores map data,

a sending unit adapted to send said map data to said terminal machine,

a receiving unit adapted to receive said drive history information from said terminal machine, and

an unit adapted to calculate an update charge of said map data according to said recording ratio and to send the update charge of map data to said terminal machine.

20. (Previously Presented) A navigation device which is mountable on a moving object and used in a system comprising a navigation device having a recording medium which stores map data, an information center device which records map data, and a terminal machine which receives said map data by connecting to said information center device and updates the map data of the recording medium of said navigation device by using received map data, comprising;

a drive information collecting unit adapted to collect drive information of said moving object,

a sorting unit adapted to sort whether or not the information having been collected by said drive information collecting unit is authorized to be recorded in said recording medium,

a history information recording unit adapted to record the drive information having been sorted to be recorded by said sorting unit as drive history information in said recording medium,

a recording ratio calculating unit adapted to calculate a recording ratio based on the drive information having been collected by said drive information collecting unit and the drive information having been recorded by said history information recording unit, and

a recording ratio recording unit adapted to record said recording ratio in said recording medium.

21. (Previously Presented) A navigation device which is mountable on a moving object and used in a system comprising a navigation device having a recording medium which stores map data, an information center device which

records map data, and a terminal machine which receives said map data by connecting to said information center device and updates the map data of the recording medium of said navigation device by using received map data, comprising;

a history information recording unit adapted to record drive history information of said moving object in said recording medium,

a recording ratio calculating unit adapted to calculate recording ratio information that is a recording ratio of the drive history information and used for calculating an update charge of map data at least by using the number of all information items as a predetermined recording target and the number of information items excluding the information items which are not subject to recording according to user's directive, and

a recording ratio recording unit adapted to record said recording ratio in said recording medium.

22. (Previously Presented) A system comprising a navigation device having a recording medium which stores map data, an information center device which records map data, and a terminal machine which receives said map data by connecting to said information center device and updates the map data of the recording medium of said navigation device by using received map data, wherein,

said navigation device comprises,

a history information recording unit adapted to record drive history information of said moving object in said recording medium,

a sending unit adapted to connect to said information center device and to send said drive history information to the information center device, and

a recording unit adapted to record in said recording medium, sending identification information which distinguishes between the drive history information having already been sent to said information center device and the drive history information having not been sent thereto yet, and

said terminal machine comprises,

an unit adapted to read out said drive history information from said recording medium and to send said drive history information to said information center, and

a map updating unit adapted to record the map data received from said information center device, in a recording medium prepared for said navigation device, and

said information center device comprises,

a sending unit adapted to send said map data to said terminal machine,

a receiving unit adapted to receive said drive history information, when connected to said terminal machine, from the terminal machine, and

an information selecting unit in which, when said information center device receives from said terminal machine, the drive history information with identification information being attached indicating that the information has already been sent, the information center device erases any one of such drive history information as being overlapping drive history information.

23. (Previously Presented) The system according to claim 22, wherein,
said information selecting unit is adapted to erase drive history information sent by the sending unit of said navigation device among said overlapping drive history information.

24. (Previously Presented) A navigation device which is mountable on a moving object and used in a system comprising a navigation device having a recording medium which stores map data, an information center device which records map data, and a terminal machine which receives said map data by connecting to said information center device and updates the map data of the recording medium of said navigation device by using received map data, comprising;

a history information recording unit adapted to record drive history information of said moving object in said recording medium,

a sending unit adapted to connect to said information center device and to send said drive history information to the information center device, and

a recording unit adapted to record in said recording medium, sending identification information which distinguishes between the drive history information having already been sent to said information center device and the drive history information having not been sent thereto yet.